10/575688 IAP20Rec'dFUT/FTO-13 APR 2006

Description

Method for visually displaying the maintaining of specified effects

The invention relates to a method according to the preamble of claim 1.

To produce fancy yarn, the desired configuration of the yarn is established and the spinning adjustments required to spin the fancy yarn are generated on the basis of establishing this configuration. For this purpose, the effects, characterised by effect length, and thickness and effect the characterised by the web thickness and the web length, and the sequence of webs and different effects are specified. specification is stored in a so-called pattern repeat and can be shown, for example, as a virtual yarn table on a screen. A display of this type is not, however, adequately significant in the case of a visual check in order to be able to quickly and clearly recognise whether the specified effects are present in the specified distribution in the fancy yarn produced.

The object of the invention is to provide a method, with which the check as to whether the specified effects have been produced as desired in the fancy yarn produced can be improved.

This object is achieved by a method with the features of claim 1.

Advantageous configurations of the invention are the subject of the sub-claims.

The method according to the invention provides information concerning in which length and thickness classes the effects it in what number. From this and located, immediately and clearly derived whether the effects have been produced in the desired configuration and number. The method also automatic evaluation possible and a visual take place simple evaluation can evaluation. Α DESIRED/ACTUAL comparison, in which the number of effects actually present and shown accordingly in the classifying matrix is compared with the provided number of effects in the respective class. The introduction of measures can be made the coincidence of specific degree dependent а on and the effects difference between the shown number of provided number of effects. By means of different coloured backgrounds of the classes, in which effects are provided and of the classes, in which no effects are provided, a visual check can be carried out more easily and quickly. Optimisation of the spinning adjustments can be triggered on the basis of the display of the classifying matrix.

The figure shows a classifying matrix for yarn effects, in which seven diameter regions of effects are shown in one dimension and seven longitudinal regions of effects are shown in the other dimension, which together form 49 classes. The first diameter region extends from one diameter value, which is 10% above the web diameter up to a diameter value, which is 25% above the web diameter. The first longitudinal region extends from 14 mm to 80 mm. In the class formed by these two

regions, 4,882 effects have been determined over 1,000 metres of yarn length. The distribution of the effects determined can be inferred classes individual the representation of the figure. The sums shown in the individual classes relate to 1,000 metres of measuring length. the is recorded, measuring length smaller calculated up to 1,000 metres. In addition, the sum of the effects in all classes of a longitudinal region or the sum of all the effects in the classes of a diameter region can be shown. Rapid and simple checking as to whether the effect specification is being maintained is possible with the sums shown in the classifying matrix.

The limits of the longitudinal regions and the thickness regions can be changed in a freely selectable manner. The classifying matrix of the figure shows a region, in which the classes have a white background and another region - in the view of the figure at the top right - which has a grey classes with white backgrounds represent The background. classes, in which the effects should be found. The classes grey backgrounds represent the other regions. example, if the desired effect configuration only comprises effects, in which the effect thickness in each case is at least 25% above the web thickness, in the corresponding classifying matrix, not shown here, the seven classes of the thickness region from 10% to 25%, which have white backgrounds in the lower row of the view of the figure, now no longer have white backgrounds, but grey. If, in these classes with grey backgrounds, effects are shown, it is obvious that the fancy does not contain specified effects. The showing of effects in the classes with grey backgrounds can trigger an optimisation of the spinning adjustments with the aim of eliminating these undesired effects in future in the production of the fancy yarn.

The classifying matrix can be displayed on a screen or by print-out.

The invention is not limited to the classifying matrix shown. In the scope of the invention, further configurations of the classifying matrix are possible.